C-O-N-F-I-D-E-N-T-I-A-L | SEE BOTTOM OF PAGE FOR SPECIAL CONTROLS, IF ANY

# INFORMATION REPORT

PREPARED AND DISSEMINATED BY
CENTRAL INTELLIGENCE AGENCY



COUNTRY
Hungary

SUBJECT
Rockets and Launchers/Other Ordnance and Tire Data

DATE DISTRIBUTED
23 [illegible]

NO. OF PAGES
4

NO. OF ENCLS.

SUPPLEMENT TO REPORT #

RESPONSIVE TO

25X1

THIS IS UNEVALUATED INFORMATION

This report is the result of a joint collection effort by the Air Force, Navy, Army, and CIA and is disseminated in accordance with the provisions of USCID #7

1. [redacted] 33/43rd Heavy Artillery Regiment stationed at Kishumajia. The following Soviet artillery weapons were used by Hungarian artillery units.

a. 45mm AT gun M-?

b. 76mm AT gun M-?

c. 122mm gun howitzer M-?

d. 220mm gun M-?

e. 120mm mortar M-?

f. 80mm mortar M-?

g. 82mm rocket launcher (Katyusa Sztalin Orgona 1133)

h. 15.5mm machine gun (Nehezinka M- 1952)

82mm Rocket Launcher (Katyusa Sztalin Orgona 1133)

2. [redacted] The launcher consists of a double bank of eight rockets each. The launcher is mounted on a four x four vehicle that weighs seven or eight tons. This vehicle has 20mm armor to protect the ammunition storage and the crew from small arms fire. The crew consists of one officer and six enlisted men. The vehicle is powered by a 12-cylinder diesel engine. The vehicle is about six meters long, 3.60m high and about 2.80m wide. In the back of this vehicle are two electrically operated jacks that are lowered when the weapon is fired. Underneath the bed of the truck are two drawers that contain 16 rounds of ammunition. In the back of the vehicle there is a control panel for operating these drawers. The launcher can be reloaded in one minute. [redacted] When the drawer is electrically opened, two supports fall in place in the rear. Eight rounds of ammunition are then raised and automatically lined up with the launcher. It is then necessary manually to push the rounds up onto the launcher rails. The

25X1

C-O-N-F-I-D-E-N-T-I-A-L

| DISTRIBUTION | STATE | ARMY | NAVY | AIR |

top bank of eight launchers is loaded from the top drawer, the lower eight launchers from the lower drawer. The entire operation, except for pushing the rounds of ammunition into the launching rails, is done automatically and controlled from the panel located on the rear of the truck 25X1

3. The launcher is traversed and elevated manually with hand cranks located on the left side of the vehicle. The launcher can be elevated 76 degrees, depressed two degrees and traversed 360 degrees. The maximum range of this weapon is 56km. Dispersion at this range covers a pattern of 700m by 1,200m. 25X1

4. The launching rails are permanently set to fire this pattern and are not adjustable. In firing, rockets number 1, 2, 3 and 4 are always fired first. 25X1 These are ranging, or spotting, rounds. After they are fired, the range is adjusted and the remaining rounds are fired in salvo. Personnel are trained never to fire twice from the same position because once the weapon is fired it is easy to locate by the large cloud of smoke, dust, etc, that is thrown up. Normal procedure is to fire, move to a new position, reload, and fire again. The vehicle carries a total of 32 rockets, 16 on the launcher and 16 in the ammunition drawers.

82mm Rocket Ammunition

5. The rocket used in the 82mm launcher is about 146cm long and weighs about 56kg. The shell case contains eight bags of powder. The rockets are loaded on the rear of the launcher rails and may be carried there until fired. When fired they are propelled forward on the rails. When they reach the forward end of the rails the shell case is blown about 15m to the rear and the projectile is blown forward. There is a large, blinding blast of fire when the projectile leaves the launcher. 25X1 25X1 the rocket 25X1 burned while in flight.

6. The rockets are fired electrically from within the cab of the vehicle. 25X1 The firing switch consists of a disk with 16 electrical contact buttons. Rounds are fired by turning this disk and selecting the number of rounds to be fired. One to 16 rockets can be fired at 4-second intervals. As the rockets clear the launcher the buttons on the firing switch snap out to show the number of rockets that have been fired. The projectile, which travels 860 meters a second, uses a percussion-type fuze. 25X1 This fuze does not have a safety pin. 25X1

Rocket Launching Sighting Device (Szogthucso M- 24)

7. The sighting device on the 82mm rocket launcher is located in the cab of the vehicle. 25X1 The individual using the sight sits to the left above and behind the driver of the vehicle. This sight is used in observing the effectiveness of the spotting rounds and it aids in making adjustments. 25X1 25X1

15.5mm Machine Gun (Makszimka M- 1952)

8. All artillery units have 15.5mm machine guns on two-wheeled mounts. This gun is a new weapon of German and Soviet design. Each gun carries three extra barrels strapped to the side of the mount trails. Each gun carries 762 rounds of ammunition in an ammunition box like those used on the ZPU type guns. 25X1 This box is attached to the right trail. The weapon can be fired either semi or full automatic. It fires about 380 rounds per minute. The barrel can be changed in less than one minute by turning it 90 degrees

to the left and pulling it out. The barrel is usually changed after firing 762 rounds. In order to load the weapon it is necessary to depress a button on the bottom of the receiver and pull the belt of ammunition into place. 25X1 25X1

15.5 Ammunition

9. Four types of ammunition are used in the Makxim ka M- 1952 machine gun.

| | Type | Color Markings | Bullet Type |
|---|---|---|---|
| a. | tracer | red tip | lead |
| b. | poison | yellow tip | lead |
| c. | incendiary | blue tip | lead |
| d. | ball | (not painted) | copper |

10. This ammunition is 762 rounds to the case. It is loaded in the following sequence: five tracer, five poison, five incendiary, 366 ball, five tracer, five poison, five incendiary and 366 ball.

11. 25X1 If a man is scratched with this round, he becomes dizzy; usually dies; and his body turns blue. 25X1 25X1 the Soviets had killed 102 people in an incident in Magyar Ovar on the Austrian border. Some received only minor wounds from this poison bullet. Students of Budapest wanted to protest the use of this bullet 25X1 they did; however, 25X1 the Soviets disregarded their protests. 25X1

Tires, Tubeless with Individual Air Cells

12. The 82mm rocket launcher had tires that could not be damaged by small arms fire. 25X1 a tire was damaged but did not go flat. A piece of the tire was torn away and it looked as if it had individual air cells located in such a manner that if one or several were damaged; the tire still was useful. 25X1 /Source could not elaborate./

25X1

a. Organization chart of the 3343rd Artillery Regiment

b. The 82mm multiple rocket launcher 25X1 25X1

c. The launcher's firing pattern

d. Rear view of rocket banks showing the firing order

e. Rear view of launching rails

f. Sketch of one 82mm rocket

g. Firing switch of the 82mm rocket launcher

h. 82mm rocket fuze

25X1 i. [redacted] sketch of the sighting instrument described in paragraph 7

j. Sketch of the 15.5mm machine gun

k. Sketch of 15.5mm machine gun ammunition

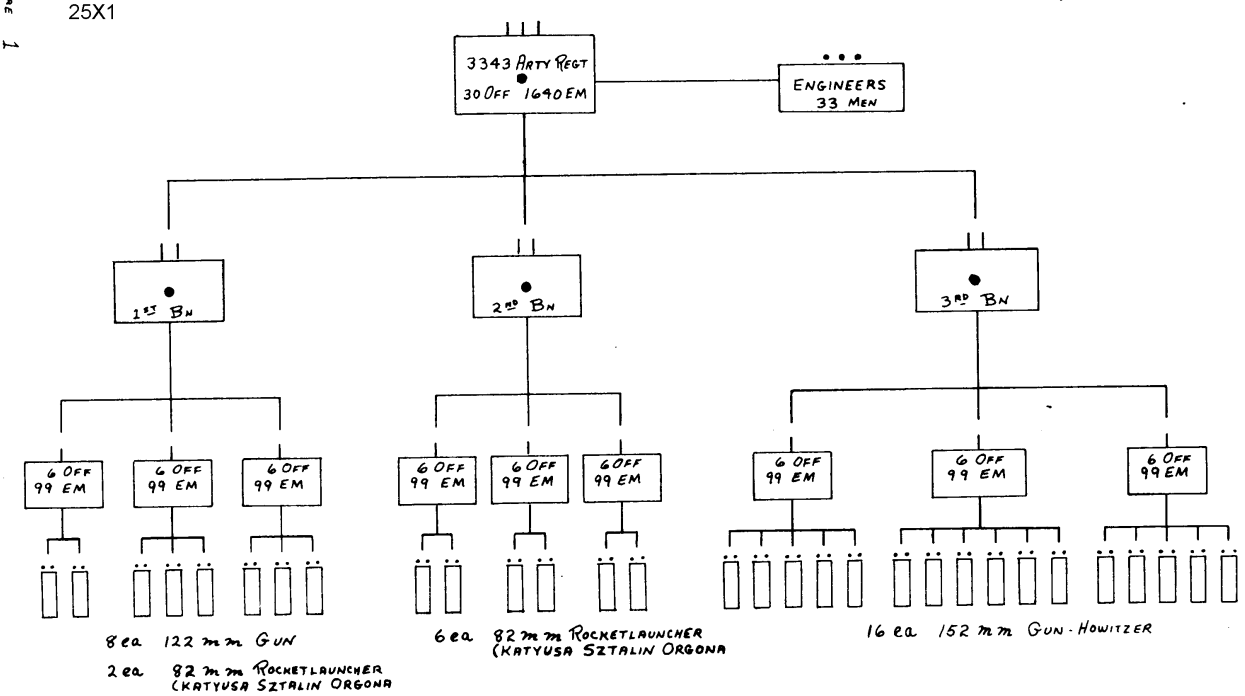
25X1 l. Sketch of the compartmentalized 35 x 60cm tire described [redacted] in paragraph 12.

-end-

Confidential

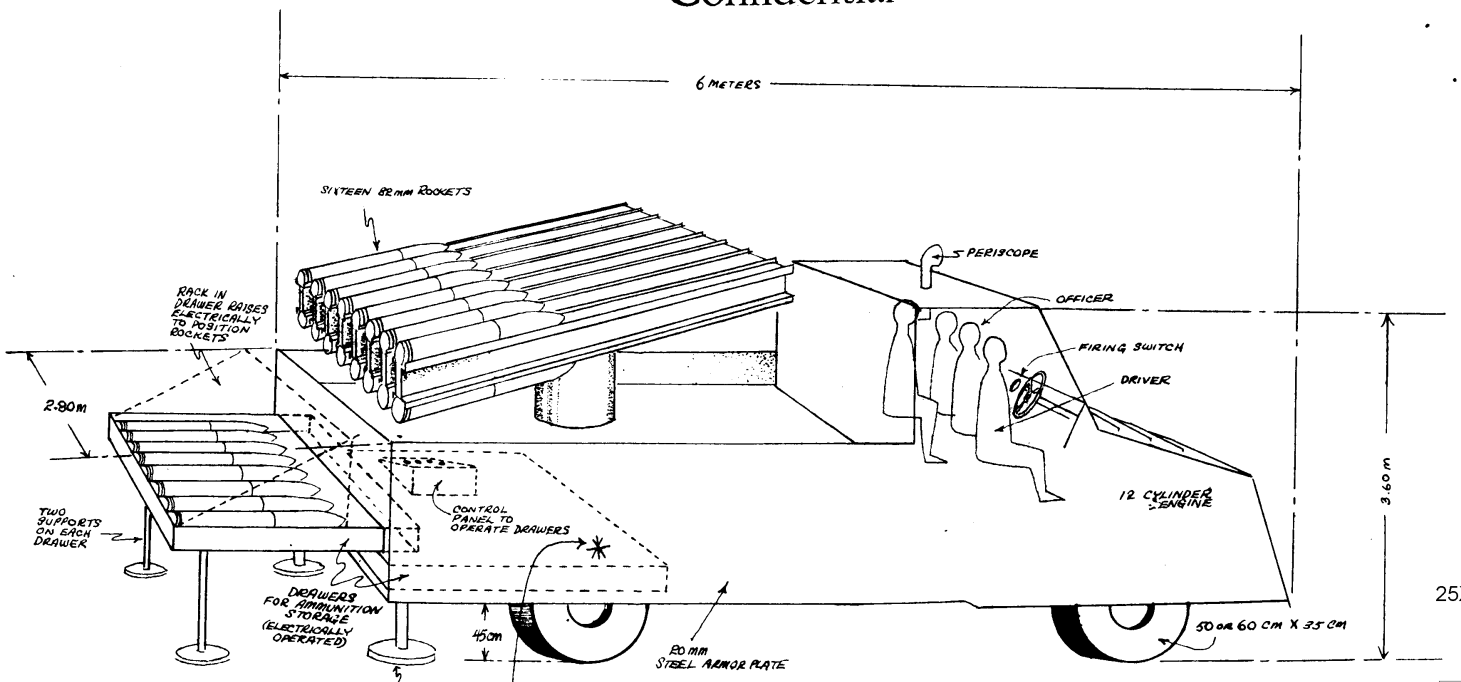
INCLOSURE 1

25X1




25X1

Confidential




82mm MULTIPLE ROCKET LAUNCHER
(KATYUSA STALIN ORGONA 1133)

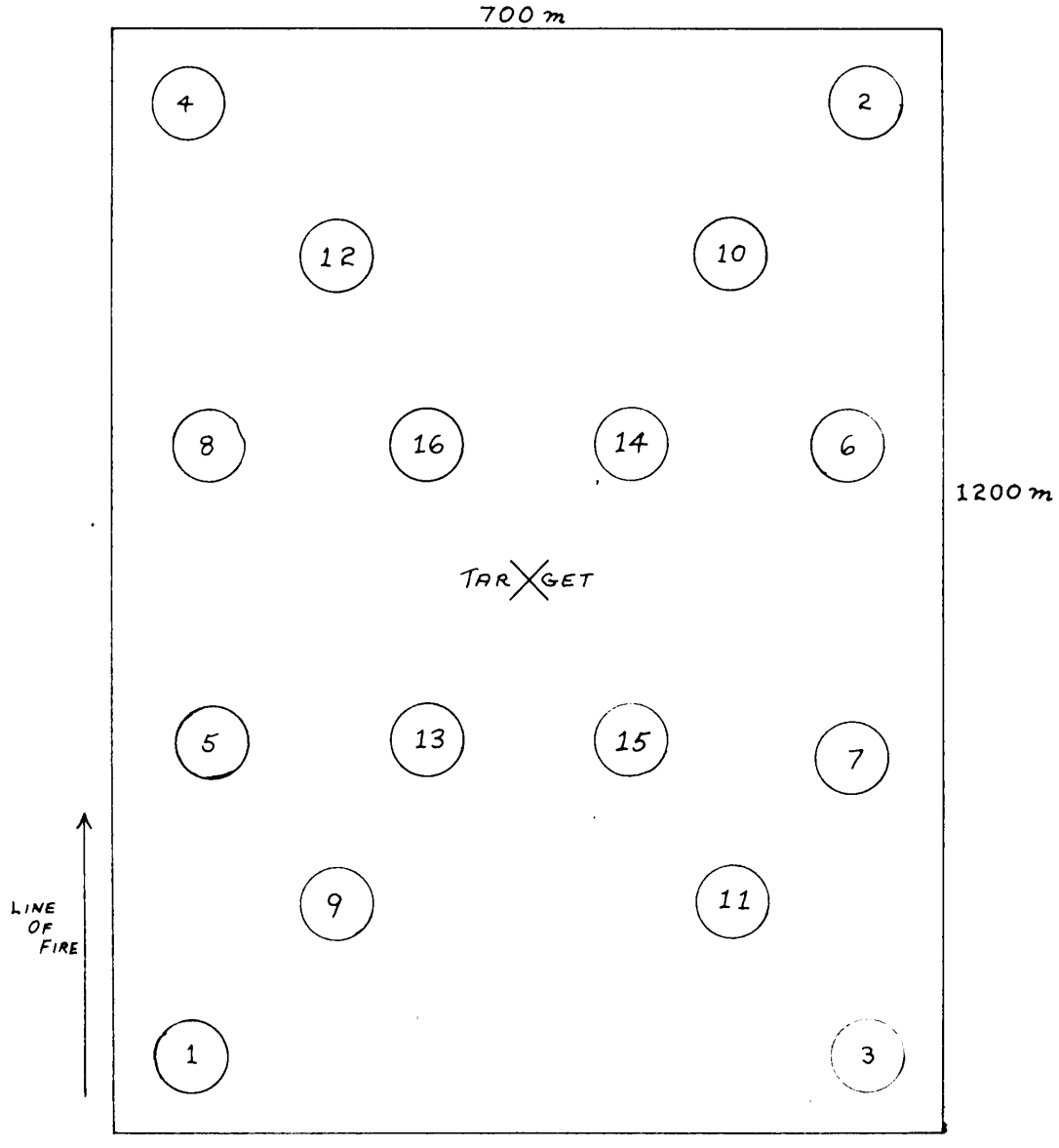
25X1

INCLOSURE 2

25X1

25X1

Confidential




FIRING PATTERN

INCLOSURE #3

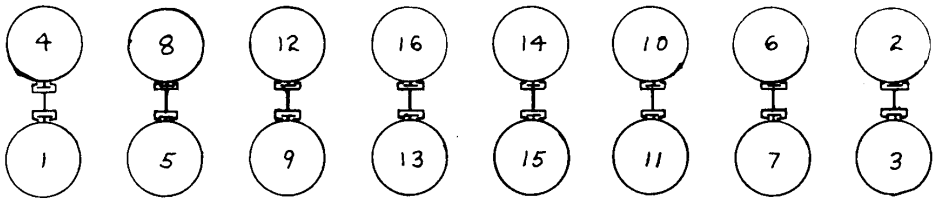
25X1

<8>

Confidential

25X1

Confidential




REAR VIEW OF LAUNCHER SHOWING THE FIRING ORDER

ROCKETS #1 THRU 4 ARE SPOTTING ROUNDS

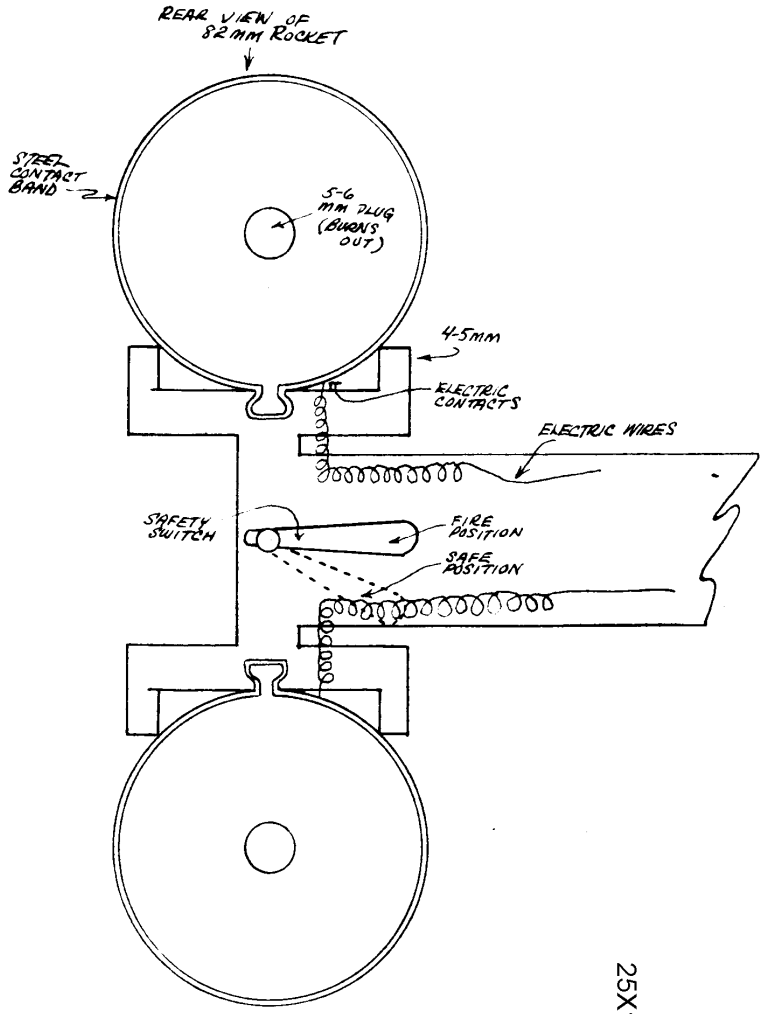
INCLOSURE 4

25X1

Confidential

Agency

Confidential




REAR VIEW OF LAUNCHING RAILS

25X1

[redacted]

INCLOSURE 5

Confidential



[redacted]

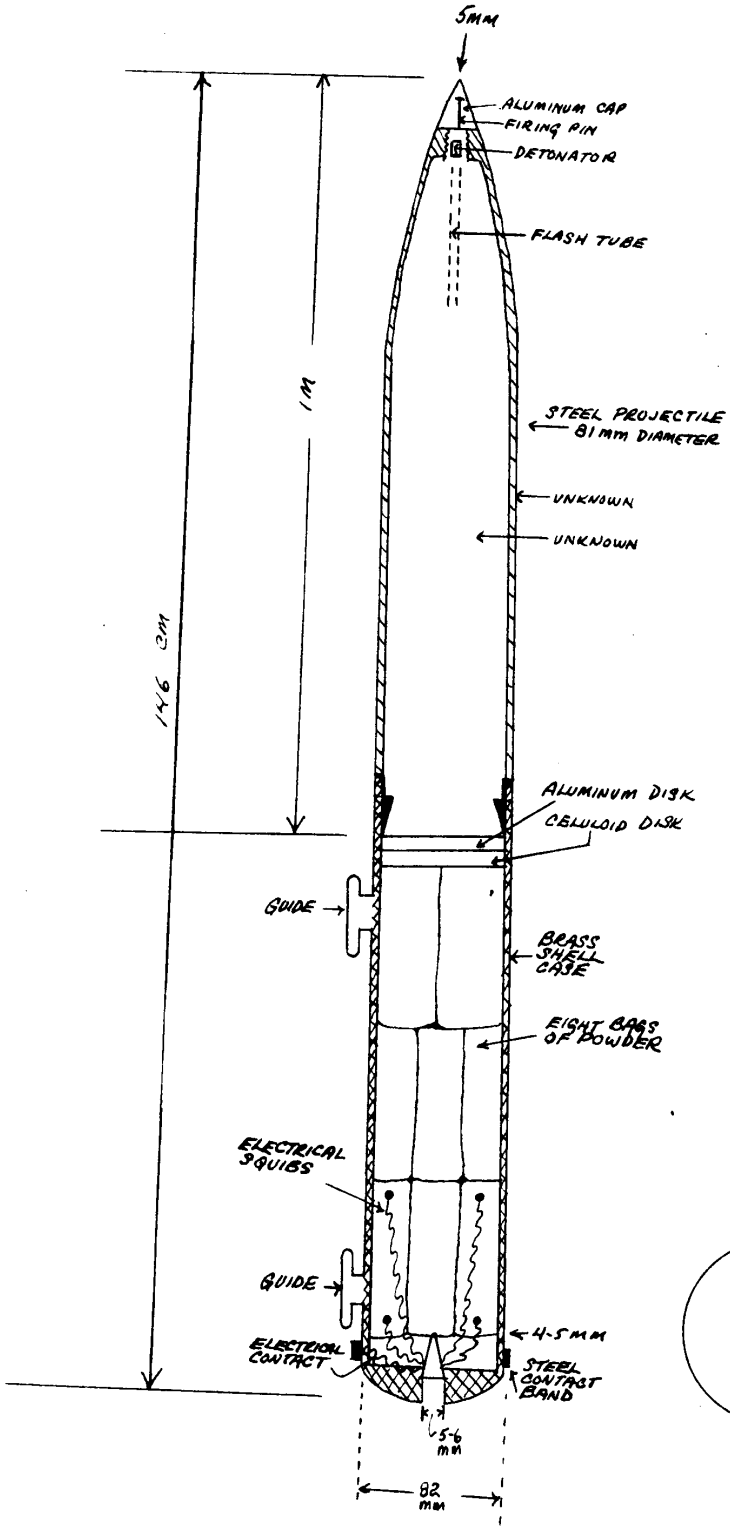
Confidential

25X1

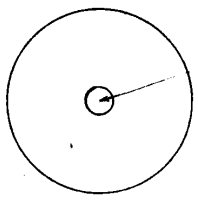
25X1

82mm ROCKET AMMUNITION

ENCLOSURE 6




WEIGHT....COMPLETE : 56Kg
LENGTH.... " : 146CM
VELOCITY..... 860m PER SEC.
MAX RANGE..... 54 Km

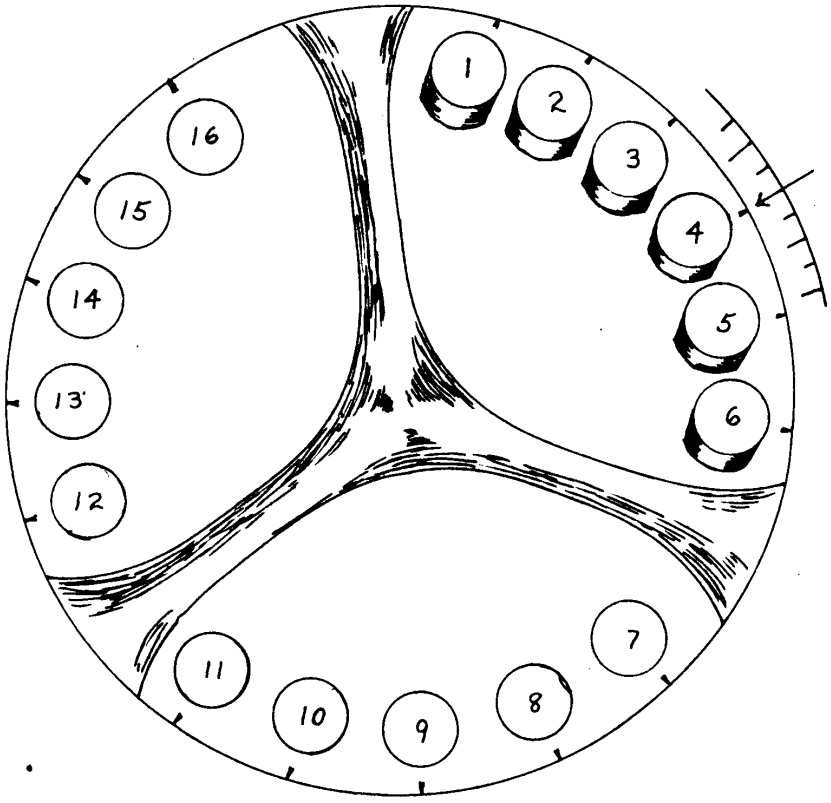


BLOW-OUT PLUG 5-6mm

Confidential

25X1

Confidential




FIRING SWITCH
82 mm ROCKET LAUNCHER

(RAISED BUTTONS INDICATING FIRED ROCKETS)

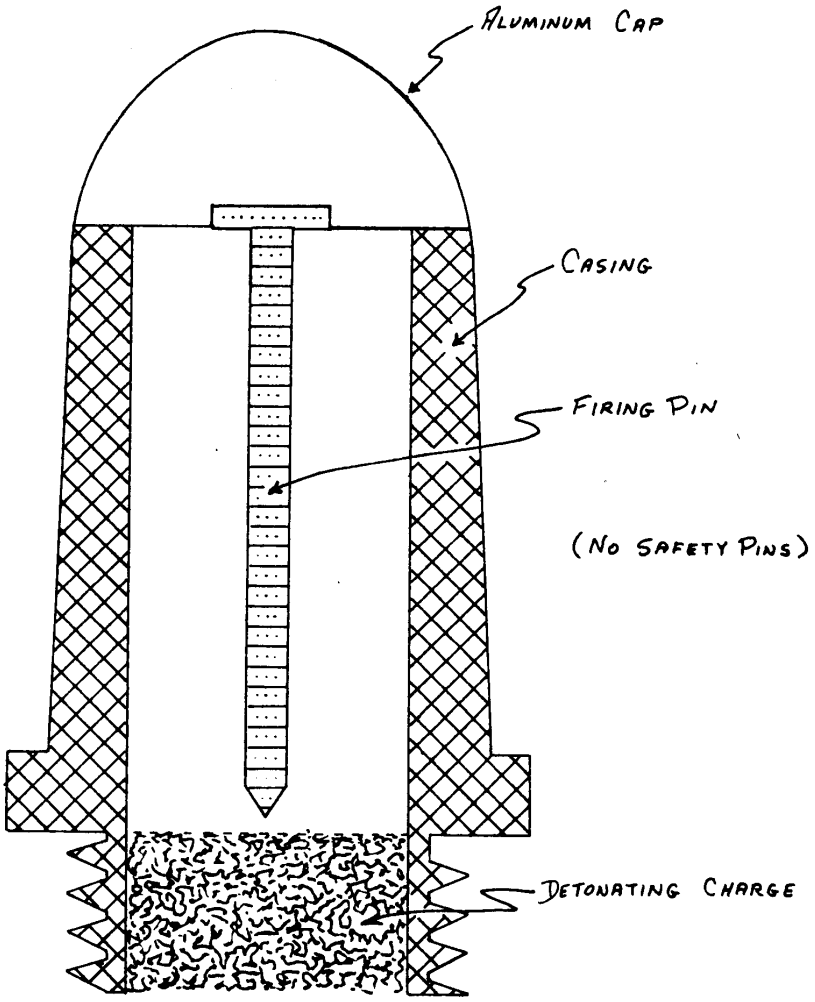
INCLOSURE 7

25X1

Confidential

Confidential

25X1



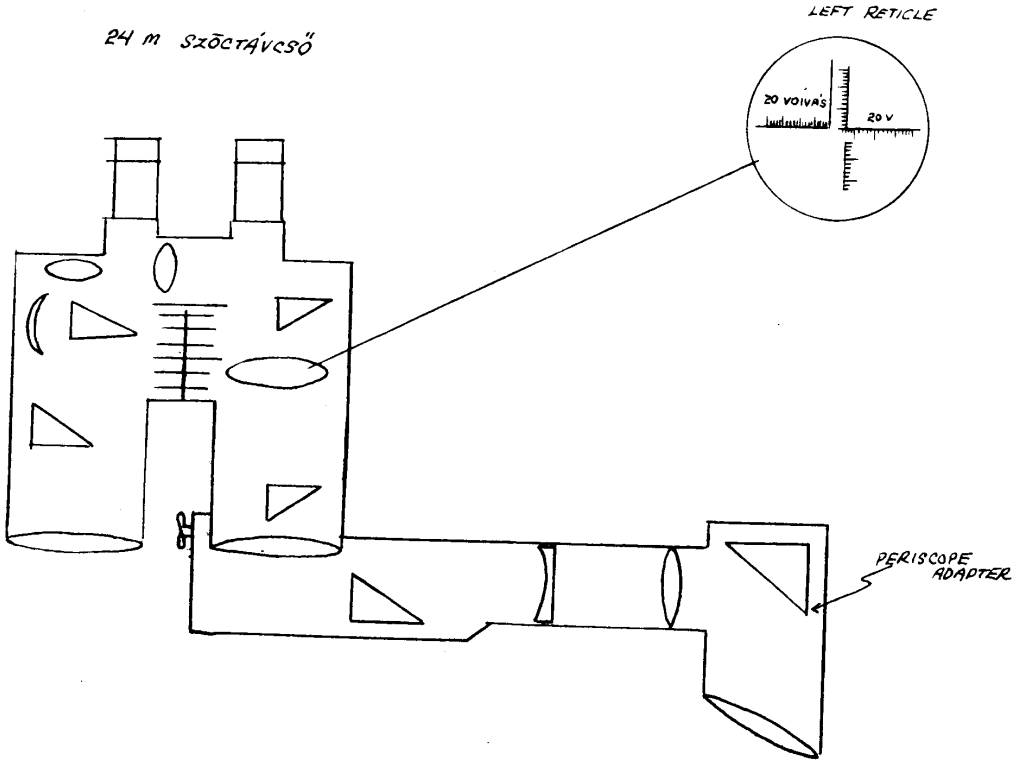

82 mm ROCKET FUSE

INCLOSURE 8

25X1

Agency

Confidential



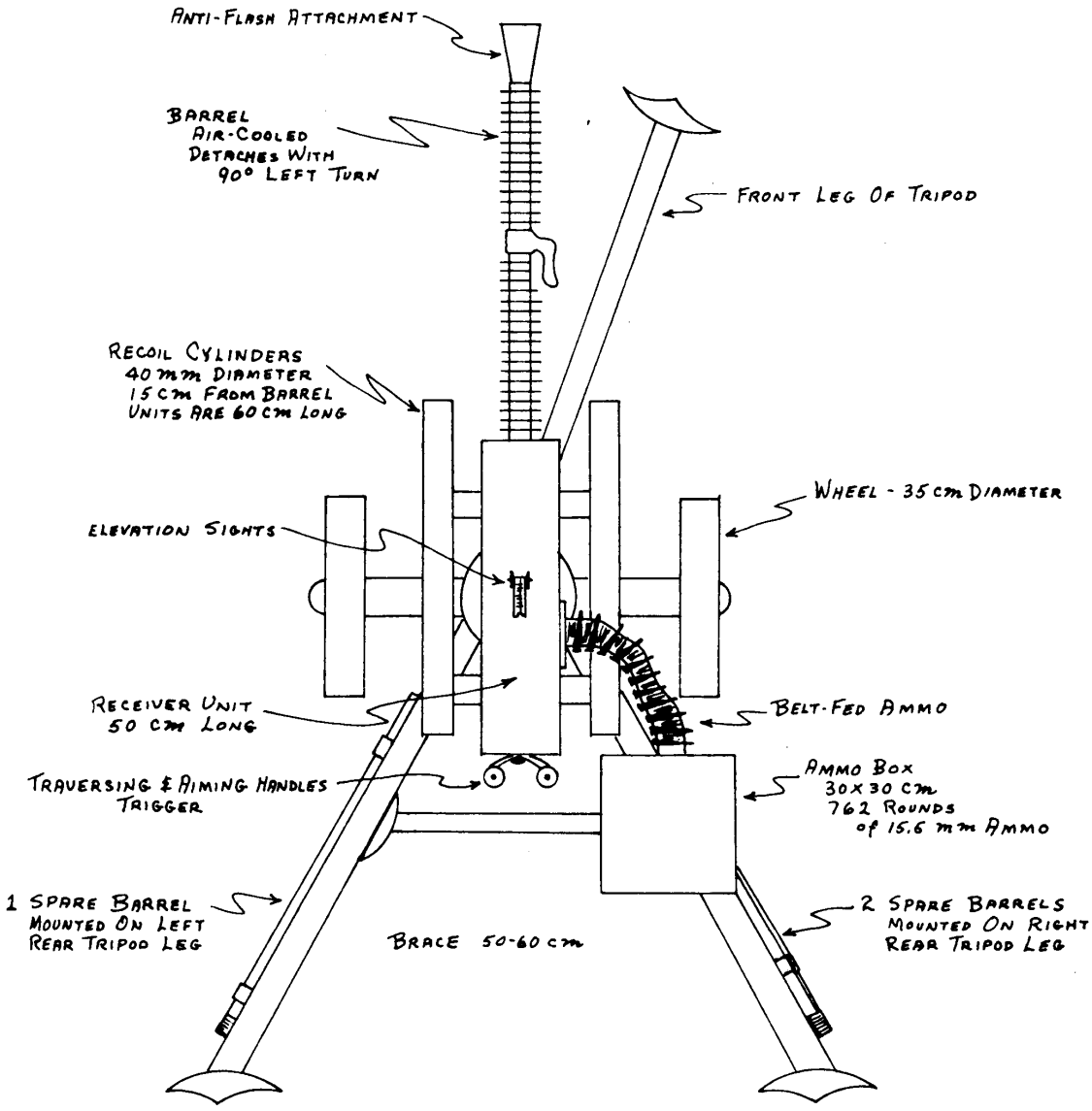

SOURCE'S SKETCH OF SIGHTING INSTRUMENT SHOWING PRISMS & LENS

25X1

INCLOSURE 9

25X1

Confidential




15.5 mm MACHINE GUN (MAKYIMKA M-1952)

INCLOSURE 10

25X1

Confidential

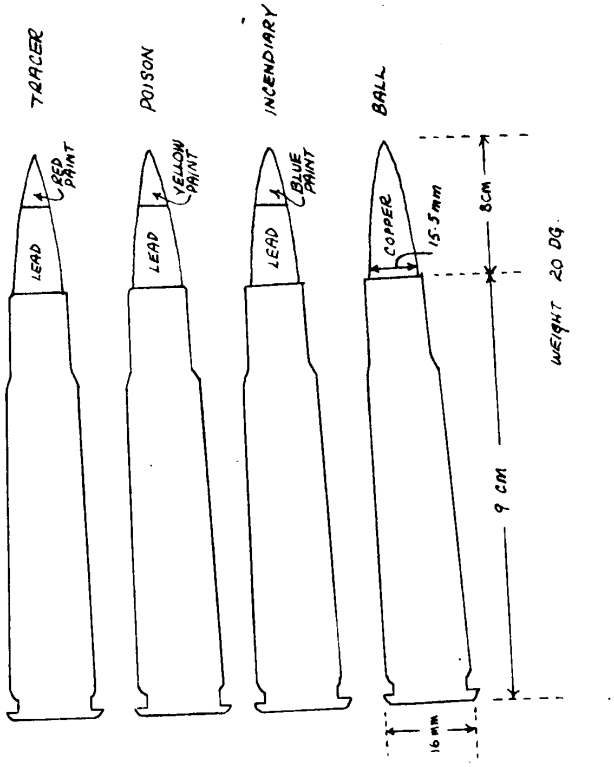
25X1

Confidential

25X1

INCLOSURE II

15.5 mm MACHINE GUN AMMUNITION



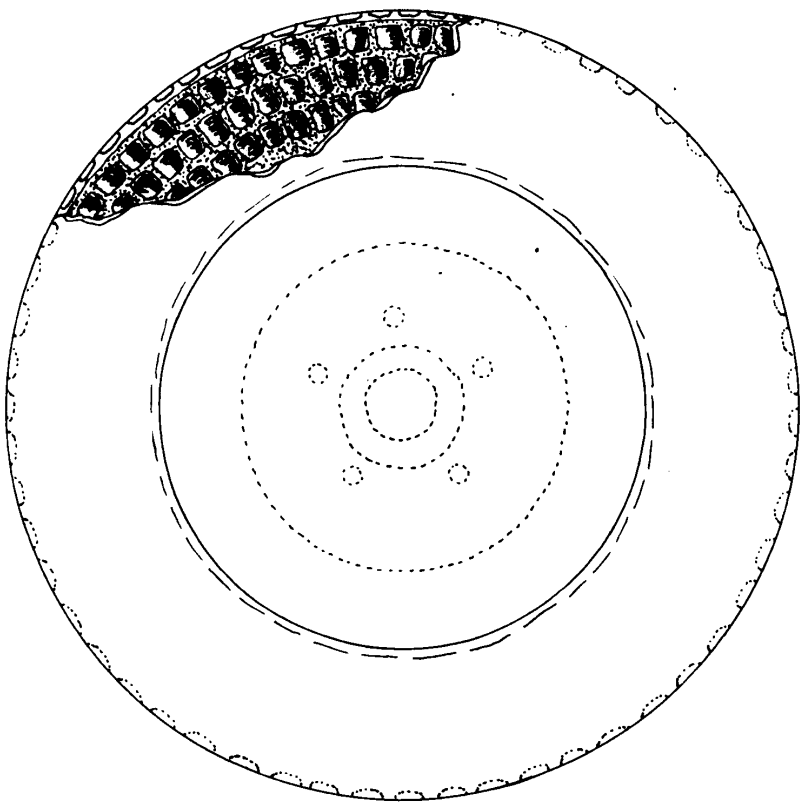

Confidential

Agency

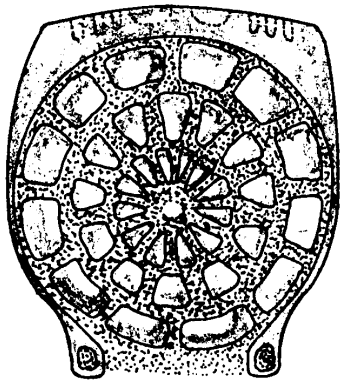
25X1

Confidential

SIDE VIEW



TIRE; 35 cm x 60 cm, TUBELESS, WITH INDIVIDUAL AIR CELLS



CROSS SECTION

Confidential

25X1